Understanding MARC 21 Bibliographic Records

Session 1

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PowerPoint by Devra Dragos, Nebraska Library Commission; revised by Sharon Mason, Charity Martin & Emily Dust Nimsakont

Agenda

- Handouts
- What is MARC/History of MARC
- Automated systems
- Parts of a MARC record
 - Content Designation
 - Variable fields
 - Fixed fields or Variable control fields

Slides and Handouts

http://nlc.nebraska.gov/handouts/classmaterials/ marcfall11/marc.html

Commonly Used MARC Tags with Commonly Used Indicators and Subfields

MAIN ENTRY Personal name	1st Indicator	2nd Indicator	Subfields				
100 (NR)	0 Forename 1 Surname 3 Family name	Blank	a Name (NR) q Qualification (NR) b Numeration (NR) c Titles [e.g. King] (R) d Dates (NR)				
Corporate name 110 (NR)	0 Inverted name 1 Jurisdiction name 2 Name in direct order	Blank	a Name (NR) b Subordinate unit (R) n Number (R) d Date (R) c Location (NR)				
Meeting name 111 (NR)	Inverted name Jurisdiction name Name in direct order	Blank	a Name (NR) n Number (R) d Date (R) c Location (NR) e Subordinate unit (R)				

Resources for MARC Information

Online sources for information on MARC tagging (accessible to anyone):

- ❖ MARC Standards; http://www.loc.gov/marc/ provides links to:
 - o MARC21 Lite Bibliographic Format
 - o MARC 21 Concise Format for Bibliographic Data
 - o MARC 21 Concise Format for Authority Data;
 - o MARC 21 Concise Format for Holdings Data;
 - o MARC 21 Concise Format for Classification Data
 - o MARC 21 Concise Format for Community Information
 - o MARC Code Lists

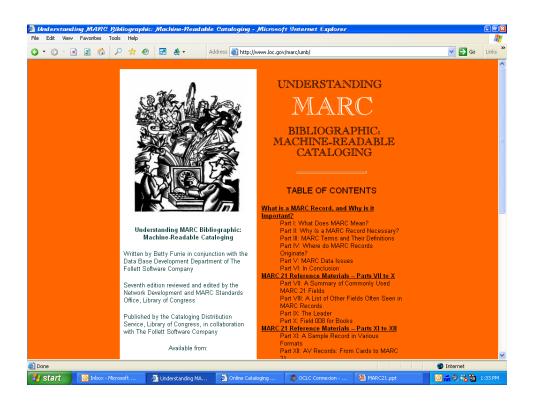
(The print versions of the documentation for the various MARC 21 formats are also available from Library of Congress, Cataloging Distribution Service.)

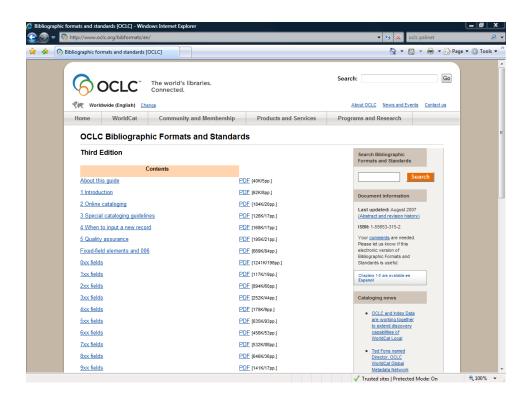
- OCLC Bibliographic Formats and Standards; http://www.oclc.org/bibformats/en/
- SLC Cataloguing Cheat Sheets (has Canadian emphasis); http://www.slc.bc.ca/cheats/
- Understanding MARC Bibliographic: Machine-Readable Cataloging (2003); http://www.loc.gov/marc/umb/

Print sources for examples of MARC tagging in various formats or the effects tagging has on our OPACs (books are available for checkout from Nebraska Library Commission):

 Bowman, J.H. Essential Cataloging Z694.B645 2003







MARC vs. AACR2

- MAchine Readable Cataloging
 - Communication standard
 - Framework for catalog record

VS.

- Anglo-American Cataloging Rules, 2nd ed., revised
 - Rules for describing items in a catalog record

Communication Standards

- ISO 2709—Bibliographic Information Exchange
 - ISO=International Organization for Standardization
 - http://www.iso.ch
- ANSI Z39.2—Bibliographic Information Interchange
 - ANSI=American National Standards Institute
 - http://www.ansi.org

History of MARC

- Pilot project (1966-1968)
 - Henriette Avram, Library of Congress
 - Used for automation of process to print cards or catalogs (book catalogs, microfiche catalogs, etc.)
- MARC Development Office/MARC Standards Office, MARBI (Machine Readable Form of Bibliographic Information)
- Variants of MARC
- MARC 21—current standard

MARC 21 Formats

- Bibliographic Data
- Authority Data
- Community Information
- Holdings Data
- Classification Data

FIC Kaplow, Robert. KAP

00922nam 2200217la 45

The cat who killed Lilian Jackson Braun: a parody / by Robert Kaplow. – Beverly Hills, Calif.: New Millennium Press, 2004, c2003. 213 p.; 18 cm.

In this bawdy parody, Ms. Jackson's headless body has been discovered in a men's room of a bar in Lower Manhattan. The police are busy filming reality television shows, so it falls to Braun's writer friend James Qafka and his Siamese cats, Ying-Tong and Poon-Tang, to solve the ghastly mystery.

1932407391 (pbk.)

1. Braun, Lilian Jackson--Fiction. 2. Manhattan (New York, N.Y.) --Fiction. I. Title.

0001001300000030006000130050017000190080041000360400013000770200022 00090043001200112049000900124100002000133245007700153260006500230300 002100295520029900316600003600615651004100651994001200692ocm55654318 OCoLC20050909094919.0040615r20042003cau 000 1 eng d aMPIcMPI a1932407391 (pbk.) an-us-ny aTPBB1 aKaplow, Robert.14aThe cat who killed Lilian Jackson Braun :ba parody /cby Robert Kaplow. aBeverly Hills, Calif. :bNew Millennium Press,c2004, c2003. a213 p. ;c18 cm. aln this bawdy parody, Ms. Jackson's headless body has been discovered in a men's room of a bar in Lower Manhattan. The police are busy filming reality television shows, so it falls to Braun's

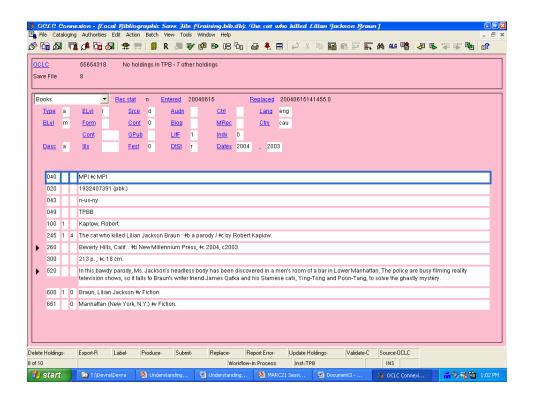
Jackson's headless body has been discovered in a men's room of a bar in Lower Manhattan. The police are busy filming reality television shows, so it falls to Braun's writer friend James Qafka and his Siamese cats, Ying-Tong and Poon-Tang, to solve the ghastly mystery.10aBraun, Lilian JacksonvFiction. 0aManhattan (New York, N.Y.)vFiction. aC0bTPB

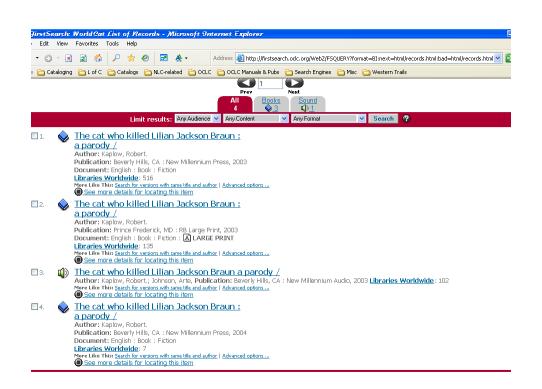
Automated Systems

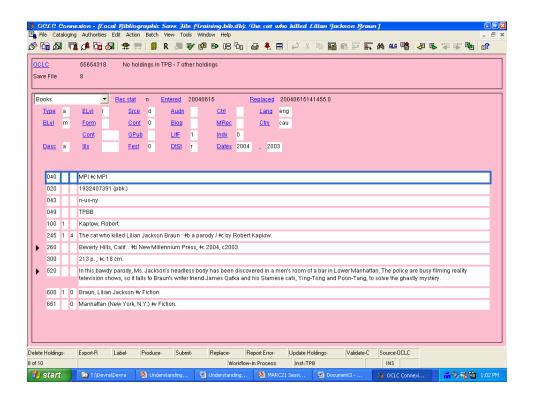
- Software is required to manipulate and display a MARC record
 - Union catalogs/Databases
 - OCLC--Connexion/WorldCat
 - Local automated systems
 - Catalog module
 - OPAC—In-house/Web
 - Editors
 - MARC Magician

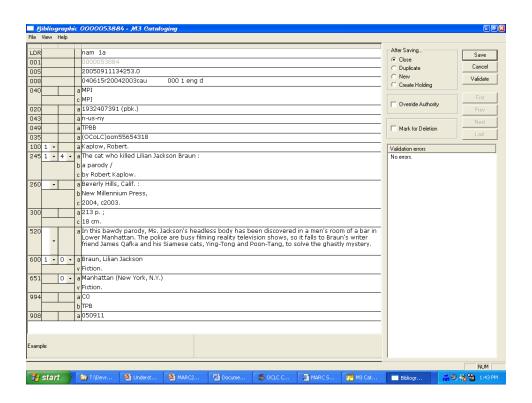
00922nam 2200217la 45

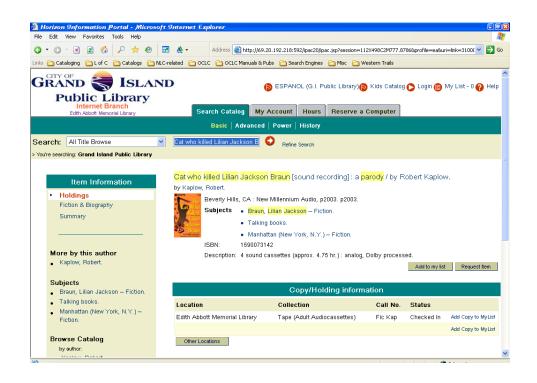
0001001300000030006000130050017000190080041000360400013000770200022 00090043001200112049000900124100002000133245007700153260006500230300 0021002955200299003166000036006156510041006519940012006920cm55654318 OCoLC20050909094919.0040615r20042003cau 000 1 eng d aMPIcMPI a1932407391 (pbk.) an-us-ny aTPBB1 aKaplow, Robert.14aThe cat who killed Lilian Jackson Braun :ba parody /cby Robert Kaplow. aBeverly Hills, Calif. :bNew Millennium Press,c2004, c2003. a213 p. ;c18 cm. aln this bawdy parody, Ms. Jackson's headless body has been discovered in a men's room of a bar in Lower Manhattan. The police are busy filming reality television shows, so it falls to Braun's writer friend James Qafka and his Siamese cats, Ying-Tong and Poon-Tang, to solve the ghastly mystery.10aBraun, Lilian JacksonvFiction. 0aManhattan (New York, N.Y.)vFiction. aC0bTPB

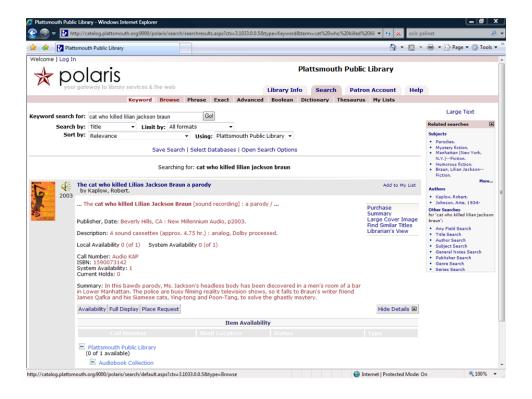


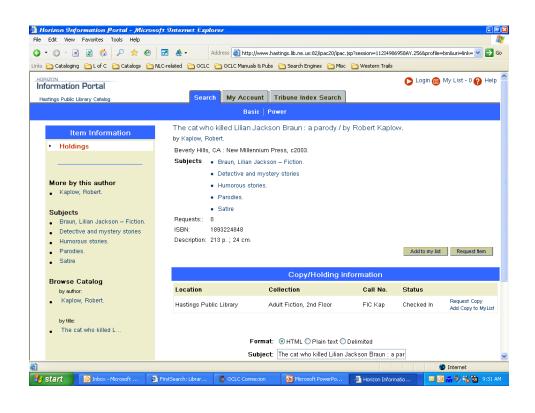


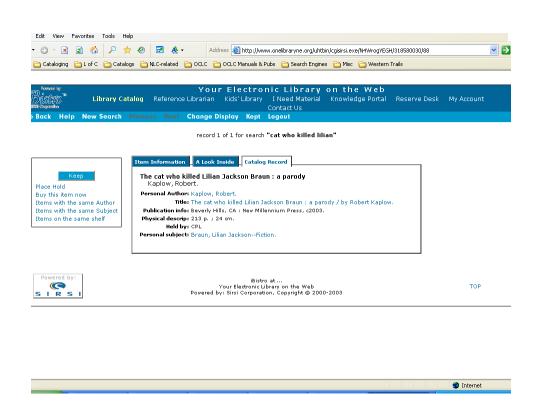


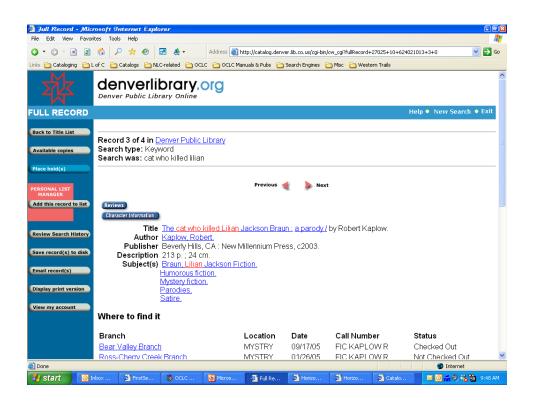












Types of Records

- a: Language material [Text]
- c: Printed music
- e: Cartographic material
- g: Projected medium
- i: Nonmusical sound recording
- j: Musical sound recording
- m: Computer file
- o: Kit
- p: Mixed materials

Levels

a: Monographic component part

• b: Serial component part

• c: Collection

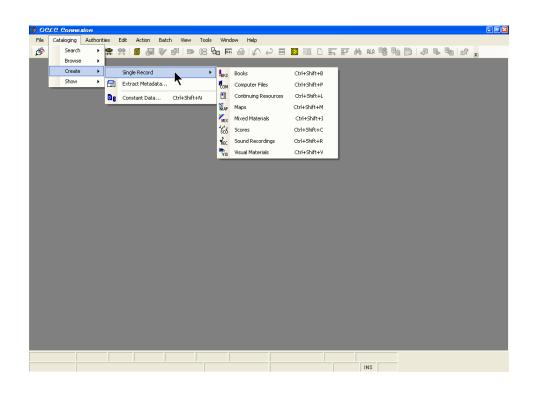
• d: Subunit

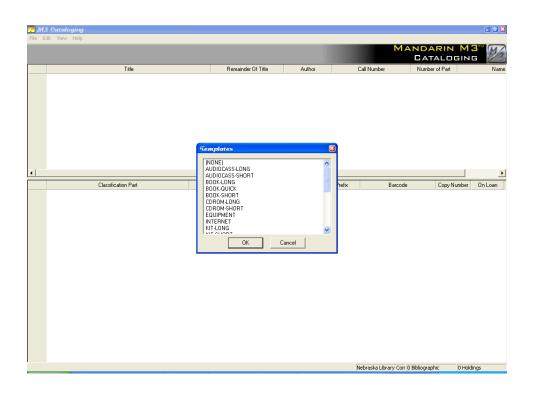
• i: Integrating resource

m: Monograph/Item

s: Serial

Workform	Туре	Bib. level
Books	a,t	a,c,d,m
Continuing resources	а	b,i,s
Visual materials	g,k,r,o	a,b,c,d,i,m,s
Maps	е	a,b,c,d,i,m,s
Sound recordings	i,j	a,b,c,d,i,m,s
Scores	С	a,b,c,d,i,m,s
Computer files	m	a,b,c,d,i,m,s
Mixed materials	p	c,d,i





Parts of a MARC Record

- Record Structure
- Data Content
 - Description
 - Subject headings
 - Classification numbers
 - Main and added entries
- Content Designation
 - Fixed fields
 - Variable fields

Variable Fields

- Contain specific pieces of information identified by:
 - Tags
 - Indicators
 - Delimiters
 - Subfield codes

Tags

- Three-digit numbers
 - Example: 245 = Title and statement of responsibility
 - As in:
 - 245 10 \$a Once upon a town: \$b the miracle of the North Platte Canteen / \$c Bob Greene.

Indicators

- Digits or blanks that give the computer instructions or information about the data contained in the field
 - Example: in a 245 field, the indicators 10 = Author main entry; no nonfiling characters
 - As in:
 - 245 10 \$a Once upon a town: \$b the miracle of the North Platte Canteen / \$c Bob Greene.

Delimiters

- Tell the computer where each subfield starts
- Sometimes denoted with \$, #, _, or ‡

Subfield codes

- Single letters or digits indicate what type of information is in a subfield
 - Example: in a 245 field, a=title proper; b=remainder of title; c=statement of responsibility
 - As in:
 - 245 10 \$a Once upon a town: \$b the miracle of the North Platte Canteen / \$c Bob Greene.

Commonly Used MARC Tags with Commonly Used Indicators and Subfields

name ame ily name rted name diction name te in direct order rted name diction name to diction name to diction name	Blank Blank Blank	a q b c d a b n d c e	Name (NR) Qualification (NR) Numeration (NR) Titles [e.g. King] (R) Dates (NR) Name (NR) Subordinate unit (R) Number (R) Date (R) Location (NR) Name (NR) Number (R) Date (R) Location (NR) Subordinate unit (R)
diction name le in direct order rted name diction name le in direct order		b n d c a n d c	Subordinate unit (R) Number (R) Date (R) Location (NR) Name (NR) Number (R) Date (R) Location (NR)
diction name le in direct order	Blank	n d c	Number (R) Date (R) Location (NR)
me in direct order		n d c	Number (R) Date (R) Location (NR)
verted name risdiction name ame in direct order	Blank	a n d c e	Name (NR) Number (R) Date (R) Location (NR) Subordinate unit (R)
Ionfiling characters	Blank	a n p 1 s k f	Title (NR) Number of part of work (R) Name of part of work (R) Language (NR) Version (NR) Form subheading (R) Date of work (NR)
	isdiction name me in direct order confiling characters firgin, Saint ary Margaret), \$d 1 ormanby, Katherin	isdiction name me in direct order onfiling characters Blank firgin, Saint. ary Margaret), \$d 1908-2004. ormanby, Katherine Sheffield, \$c D of Roads. \$b Bridge Design Division	isdiction name n me in direct order d c c e Confiling characters Blank a n p l s k f . Cirgin, Saint. iary Margaret), \$d 1908-2004. cormanby, Katherine Sheffield, \$c Duches of Roads. \$b Bridge Design Division.

(NR)=Non-repeatable; (R)=Repeatable

Tags by hundreds

0XX Control info., classification, codes, etc.

1XX Main entries

2XX Titles, edition, imprint

3XX Physical description, etc.

4XX Series statements

5XX Notes

6XX Subject access fields

7XX Added entries

8XX Series added entries, holdings, location, etc.

9XX Locally-defined uses

FIC Kaplow, Robert. KAP

The cat who killed Lilian Jackson Braun : a parody / by Robert Kaplow. — Beverly Hills, Calif. : New Millennium Press, 2004, c2003. 213 p. ; 18 cm.

In this bawdy parody, Ms. Jackson's headless body has been discovered in a men's room of a bar in Lower Manhattan. The police are busy filming reality television shows, so it falls to Braun's writer friend James Qafka and his Siamese cats, Ying-Tong and Poon-Tang, to solve the ghastly mystery.

1932407391 (pbk.)

1. Braun, Lilian Jackson--Fiction. 2. Manhattan (New York, N.Y.) --Fiction. I. Title.

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Kaplow, Robert. 100 $a
099
      FIC
$a
      KAP
                    245 $a: $b / $c.. - 260 $a: $b, $c.
                 The cat who killed Lilian Jackson Braun: a parody / by Robert
               Kaplow. - Beverly Hills, Calif.: New Millennium Press, 2004, c2003.
            300 213 p.; 18 cm.
                 In this bawdy parody, Ms. Jackson's headless body has been discovered
        500
               in a men's room of a bar in Lower Manhattan. The police are busy filming
               reality television shows, so it falls to Braun's writer friend James Qafka
               and his Siamese cats, Ying-Tong and Poon-Tang, to solve the ghastly
               mystery.
           020 1932407391 (pbk.)
                                                      651 $a -- $v.
                 650 $a -- $v.
1. Braun, Lilian Jackson--Fiction. 2. Manhattan (New York, N.Y.)
               --Fiction. I. Title.
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Parallel Content

- X00 Personal names
- X10 Corporate names
- X11 Meeting names
- X30 Uniform titles
- X40 Bibliographic titles

Parallel Content

- X50 Topical terms
- X51 Geographic terms

System-generated Fixed Fields

- 001—control number
- 003—MARC code for organization whose control number is contained in field 001
- 005—date and time of last transaction

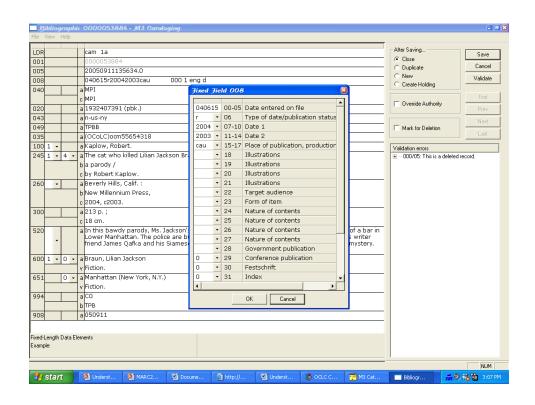
Partially System-generated Fixed Fields

- Leader
- 008—Coded general information

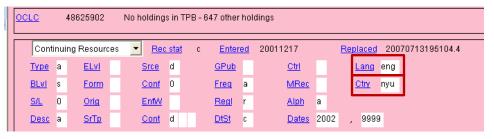
Book

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BLvl: m	Form:	Conf: O Biog:	MRec: Ctry: cau				
	Cont:	GPub: LitF: 0	Indx: 0				
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Continuing resources

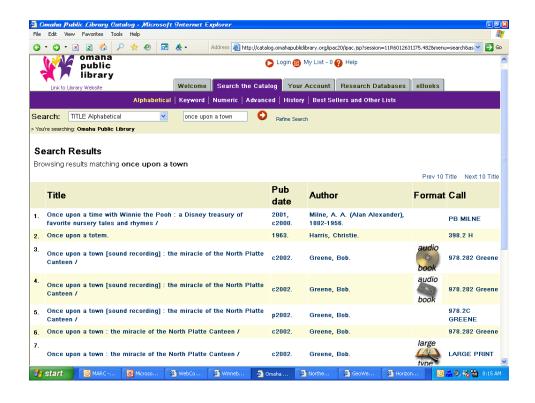


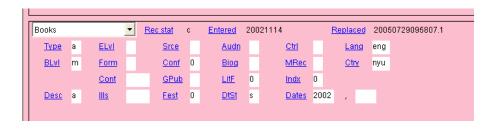
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Visual materials

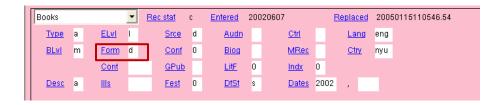
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Translates to: 008 000414p19991998nyu088 vleng d









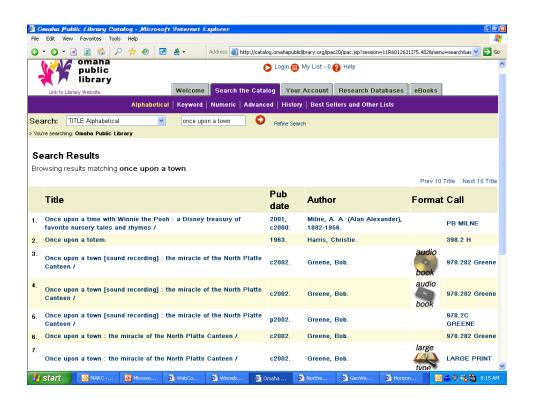
Form: d=large print

Other Control Fields

- 006—Additional material characteristics
- 007—Physical description fixed field

007 Field

- Different values for different types of material, eg.:
 - Maps
 - Videorecordings
 - Sound recordings





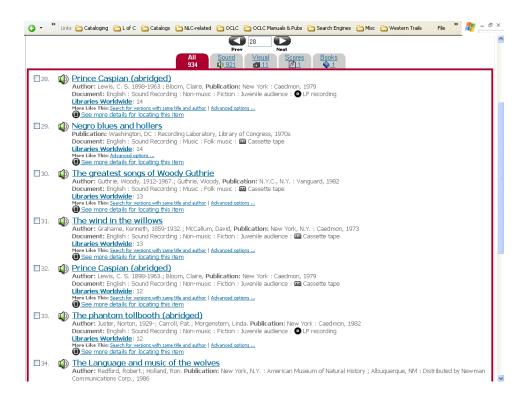


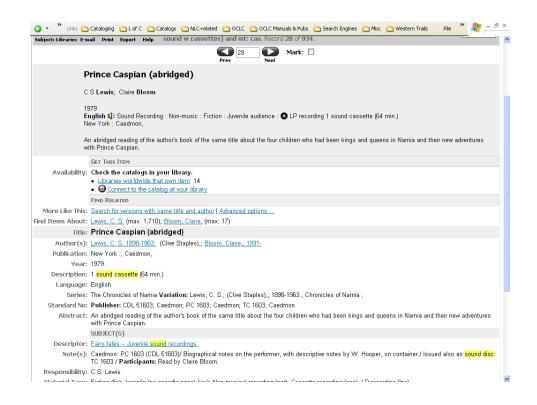
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007 sd fungnn---ed s=sound recording d=sound disc

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ı				<u>Part</u>	n		<u>TrAr</u>	n										
		Desc	а	<u>FMus</u>	n		<u>LTxt</u>	Z	<u>DtSt</u>	s			<u>Dates</u>	2002	2 ,			

007 ss lunjlc s=sound recording s=sound cassette





Assignment

http://nlc.nebraska.gov/handouts/classmaterials/ marcfall11/marc.html

Due by 8AM Tuesday, October 11, 2011

Next Session

Title and edition fields